

## **Amendments to the Claims**

This listing of claims replaces all prior versions and listings of claims in the application:

### **Listing of Claims**

1. (Currently Amended) A method comprising:  
splitting an optical stream into a primary optical stream and a secondary optical stream;  
converting the secondary optical stream to an electrical signal;  
identifying a clock signal and a data signal from the electrical signal;  
receiving a selection from a user indicating at least a particular portion of the optical stream to be modified;  
identifying [[a]] the particular portion of the optical signal based on at least the clock signal, and the data signal, and the received selection from the user;  
delaying the primary optical stream to provide a delayed optical stream; and  
modifying the particular portion of the delayed optical signal based on the received selection from the user.
2. (Cancelled).
3. (Original) The method of claim 1 further comprising:  
generating a gating signal at the particular position based on said processing;  
and wherein said modifying the particular portion is based on the gating signal.
4. (Original) The method of claim 1 wherein said modifying the particular portion comprises inverting at least one bit in the particular portion of the delayed optical stream.

5. (Original) The method of claim 1 wherein said modifying the particular portion comprises suppressing at least one bit in the particular portion of the delayed optical stream.
6. (Original) The method of claim 1 wherein said particular portion comprises a particular bit position in the optical stream.
7. (Original) The method of claim 1 wherein the optical stream comprises a SMPTE-standard video stream.
8. (Original) The method of claim 1 wherein the optical stream comprises a SMPTE259M video stream.
9. (Original) The method of claim 8 wherein said modifying the particular portion of the delayed optical signal introduces at least one bit error in the SMPTE259M video stream.
10. (Original) The method of claim 9 wherein said processing the electrical signal to identify a particular portion of the optical stream comprises identifying at least one of an active video portion, a horizontal ancillary data portion, a vertical ancillary data portion, a start active video timing portion and an end active video timing portion of the SMPTE259M video stream.
11. (Currently Amended) An apparatus comprising:
  - an optical splitter to split an optical stream into a primary optical stream and a secondary optical stream;
  - an optoelectronic converter to convert the secondary optical stream to an electrical signal;
  - a processor to process the electrical signal to identify a particular portion of the optical stream, the processor operative to:
    - identify a clock signal and a data signal from the electrical signal;

receive a selection from a user indicating at least the particular portion of the optical stream to be modified; and

identify the particular portion based on at least the clock signal, and the data signal, and the received selection from the user;

an optical delay to delay the primary optical stream to provide a delayed optical stream; and

an optical switch responsive to the processor to modify the particular portion of the delayed optical signal based on the received selection from the user.

12. (Cancelled).

13. (Original) The apparatus of claim 11 wherein the processor is to generate a gating signal at the particular position based on said processing, and wherein the optical switch is to modify the particular portion based on the gating signal.

14. (Original) The apparatus of claim 11 wherein the optical switch is to modify the particular portion by inverting at least one bit in the particular portion of the delayed optical stream.

15. (Original) The apparatus of claim 11 wherein the optical switch is to modify the particular portion by suppressing at least one bit in the particular portion of the delayed optical stream.

16. (Original) The apparatus of claim 11 wherein said particular portion comprises a particular bit position in the optical stream.

17. (Original) The apparatus of claim 11 wherein the optical stream comprises a SMPTE-standard video stream.

18. (Original) The apparatus of claim 11 wherein the optical stream comprises a SMPTE259M video stream.

19. (Previously Presented) The apparatus of claim 18 wherein the optical switch is to modify the particular portion of the delayed optical signal to introduce at least one bit error in the SMPTE259M video stream.

20. (Original) The apparatus of claim 19 wherein the processor is to identify at least one of an active video portion, a horizontal ancillary data portion, a vertical ancillary data portion, a start active video timing portion and an end active video timing portion of the SMPTE259M video stream.

21-31 (Cancelled).